

## MISSION

Provide mobile, short-range, air defense protection against cruise missiles, unmanned aerial vehicles, low-flying fixed-wing aircraft, and helicopters to divisions, armored cavalry regiments, separate brigades, and corps/theater air defense brigades.

## DESCRIPTION AND SPECIFICATIONS

Avenger system is a lightweight, highly mobile, and transportable surface-to-air missile/gun weapon system mounted on a High Mobility Multipurpose Wheeled Vehicle (HMMWV). It has a two-man crew and can operate in day or night and in clear or adverse weather conditions. The system incorporates a fully rotatable turret, operator's position with displays, fire control electronics, and standard vehicle mounted launchers which support and launch multiple Stinger missiles. Avenger can be operated remotely up to 50 meters from the fire unit and can shoot on the move. A notable upgrade to enhance capability is the slew-to-cue (STC), which is embedded into a new Avenger fire control computer (AFCC). The STC accepts digital radar track data from external sources, then automatically slews the turret to place an aerial target into the gunner's sighting field of view. The AFCC corrects significant system obsolescence issues and allows for additional system growth at minimal cost. The STC was an approved Warfighting Rapid Acquisition Program (WRAP).

**Armament:** Eight ready-to-fire Stinger missiles/.50-caliber machine gun

**Sensors:** Forward-looking infrared (FLIR) sensor/laser range finder/optical sight

**Chassis:** Modified heavy HMMWV

**Fire control:** Digital fire control computer/gyro-stabilized electronic turret

## FOREIGN COUNTERPART

Russia: SA-9

## FOREIGN MILITARY SALES

Taiwan

## PROGRAM STATUS

**FY99** Retrofit fielding of an environmental control unit/prime power unit began.

Development and production contracts have been awarded for the STC.

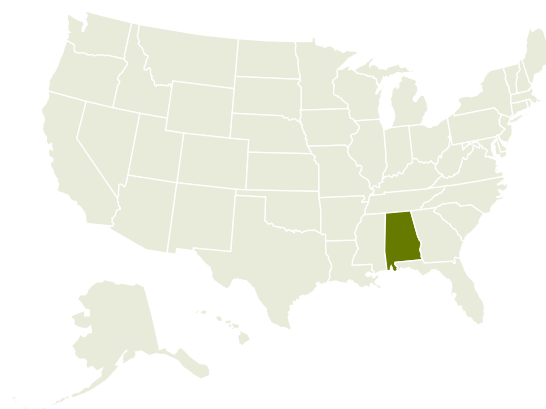
**1QFY00** Awarded production contract for 30 Avenger fire units with STC for ARNG and production contract for 35 additional STC retrofit kits for existing fire units.

## PROJECTED ACTIVITIES

- The Army plans to procure 355 Avenger fire units for the active Army and National Guard.
- In FY00, initial fielding of STC to the training base and fielding to the 4ID, Ft. Hood, TX, is planned for the First Digitized Division.
- Several modifications to the Avenger are planned for obsolescence mitigation, low observable enhancement, battlefield digitization and integration, and Advanced Integration Weapons and Control System.

## PRIME CONTRACTORS

Boeing (Huntsville, AL)



\* See appendix for list of subcontractors

